

Programme Board 15 January 2018
UPDATE



**The Royal Hospital for Children + Young People
Department of Clinical Neurosciences
Child + Adolescent Mental Health Services
EDINBURGH**

DRP

- **HV**

- MPX Ind Expert Report received
- IT + NHSL reviewing
- MPX revised proposals apparently being prepared

- **4 Bed Ventilation**

- MPX Ind Expert Report received
- IT written view expected – “clause 2.5 prevails” * anticipated
- IT cannot sign completion as currently installed

- **Potential other Non Compliances**

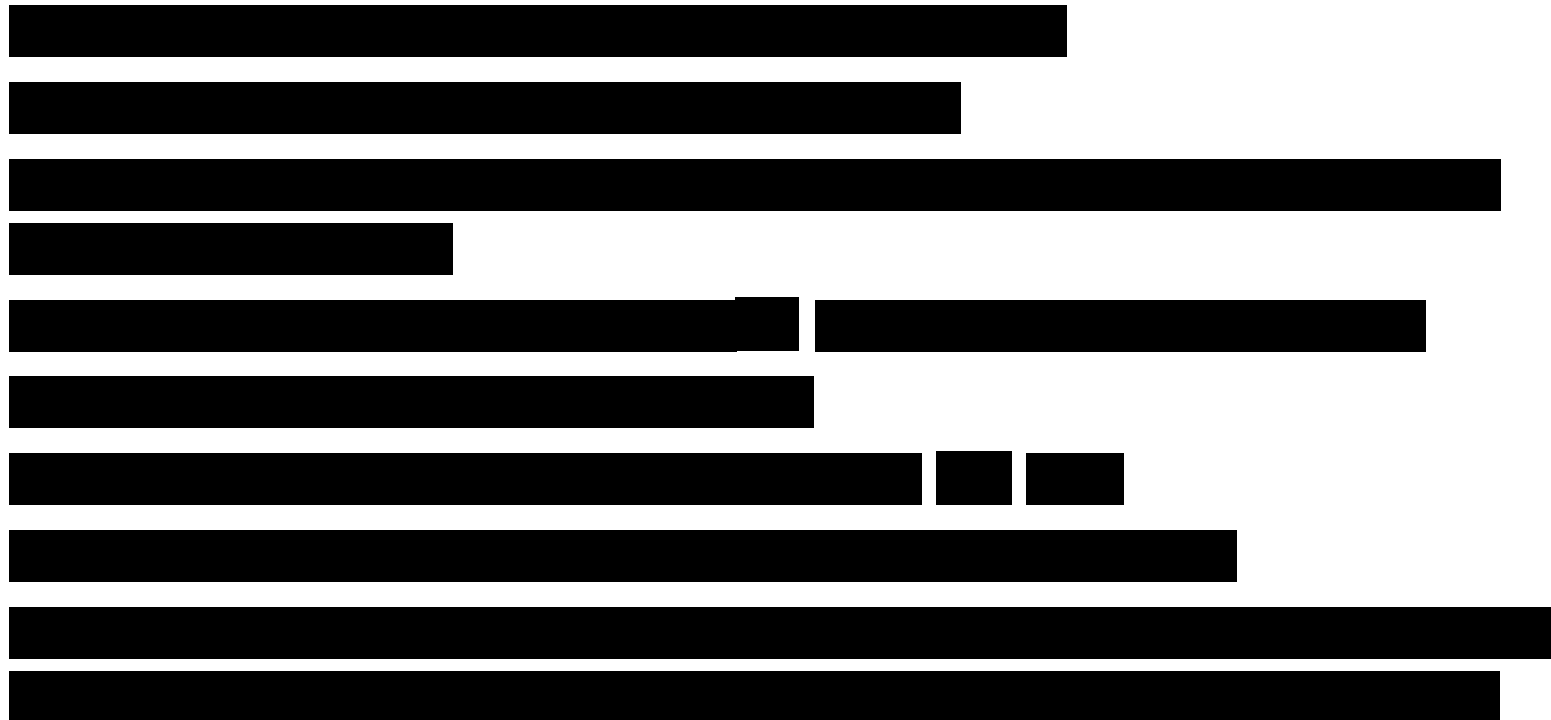
- MPX apparently responding to positively – no evidence as yet

Schedule 7 Programme

- 28 Feb Completion (exc HV and Vent) 6 weeks from today

- Room Reviews (52% First Visits, 6% Second Visits undertaken)
- Numerous Parallel Activities - Building Services
- System checking, commissioning + setting – lack of detail
- Fire Alarm Cause + Effect (5 weeks) after steady state achieved
- Quality + Workmanship (Observations 2000 closed of 14000)
- PCo Change(s) – acceptance by Board (circa 50 outstanding)
- RDD status “C” (circa 50 outstanding)
- Rights to install permanent infra outside boundary

Next Steps



- Hospital Square Landscaping by others (competitive tender)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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[REDACTED]

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[REDACTED]

[REDACTED]

[REDACTED]

Potential Non Compliances

Lighting to Fire Fighting Stairwells

The lighting within the Shaft / stairwell and associated Lobby has not been installed in accordance with BS 9999 38.2.3 which advises that the normal lighting within the Fire Fighting Shaft should be supported by a secondary fire rated power supply from dedicated distribution board and automatic changeover for dual fire rated supplies. The implication of this is the Scottish Fire and Rescue Service may not be able to access the firefighting stairwell in a fire due to inadequate lighting levels.

Non fire rated cabling to IPS / UPS outlets

For compliance with BS 7671 & Guidance Note 7 circuits associated with essential life-support services should be either fire-rated or fire-protected. The implication of this is, in the event of a fire, power may be lost to essential life safety medical equipment in critical areas.

Potential Non Compliances

Equipotential Bonding in Rooms

The BS 7671 and Guidance Note 7 indicates that Equipotential Bonding Bars are required in both Group 1 & Group 2 rooms to equalize the potential differences between the various parts of the installation within the room. We believe the EBBs are now being installed in Group 1 & 2 rooms however no confirmation of installation on site. The implication of not undertaking the above is any user in the room could be at risk of electric shock

25% spare capacity in building services

Project Co has not provided 25% spare capacity, and has not reviewed with the Board during the RDD Review Procedure. In some instances, the building services and/or space for future provision have already exceeded the capacity.

Potential Non Compliances

Lack of non IPS socket outlets in Theatres, Critical Care and Resuscitation Rooms

All socket outlets within these departments except for Cleaners outlets and a limited number of “raw power” sockets in some areas, are Medical Equipment blue sockets. No provision has been made for equipment that should be plugged into an RCB protected outlet whilst in the patient zone. Refer to BS 7671 710.411.3.2.1 & 710.411.4. The implication being if non Medical IT equipment, e.g. mobile imaging and diagnostic equipment, pc etc is plugged into the IPS sockets, this may cause the IPS system to trip and potentially result in loss of power to life support equipment.

Cable discrimination and cable calculations

Project Co has not submitted cable calculations through RDD for Board's review. This is required as per 4.23.3 (Mechanical & Electrical Specification) Project Co Proposal. The concern is that the selection, grouping, rating and fault levels of cables is inappropriate and non compliant with BS 7671.